

CLAIMS

1. A compensated pixel driver circuit for an organic electroluminescent device, wherein the circuit comprises a unity gain buffer.
2. A compensated pixel driver circuit as claimed in claim 1, wherein the unity gain buffer is implemented as an operational amplifier.
3. A compensated pixel driver circuit as claimed in claim 1 or claim 2, wherein the buffer is connected to have unity gain.
4. A compensated pixel driver circuit as claimed in claim 2, wherein the circuit comprises a transistor connected so as to act as a current switch for storing voltage on the said capacitor.
5. A compensated pixel driver circuit as claimed in any preceding claim, wherein the buffer comprises a differential pair circuit and a driver circuit.
6. A compensated pixel driver circuit as claimed in claim 5, wherein the differential pair circuit comprises two transistors whose gates respectively provide an inverting input and a non-inverting input of the buffer and a further transistor whose gate provides a bias voltage input of the buffer.

93 7. A compensated pixel driver circuit as claimed in claim 5 or claim 6, wherein the driver circuit comprises two transistors connected in series with the output of the buffer being taken from the said connection between these transistors.

8. A compensated pixel driver circuit as claimed in any preceding claim, wherein the circuit is implemented with polysilicon thin film transistors.

nb BB 9. A method of compensating the current supply to an organic electroluminescent pixel comprising the step of using an buffer to provide a self adjusting load.

94 10. An organic electroluminescent display device comprising one or more compensated pixel driver circuits as claimed in any of claims 1 to 8.

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TOTAL 252201

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